

DAVIDENKOV, L. R.

clm
 ✓ Imidazole derivatives. XIV. Oxidation of benzimidazole and its methyl derivatives. L. R. Davidenkov, S. S. Il'ina, N. V. Khromov-Borisov, L. R. Davidenkov, and M. M. Necha (Leningrad Techn. Inst. ~~Leningrad~~ Zhur. Obshchei Khim. 26, 455-6 (1950); cf. C.A. 49, 1230). To 70 ml. concd. H_2SO_4 and 55 ml. H_2O was added at 90° 5 g. benzimidazole, followed by 37 g. powd. $K_2Cr_2O_7$; after 19-15 min. the mixt. was quenched in water yielding 65-7% imidazole-4,5-dicarboxylic acid (I), decomp. about 250°. The yield is 67.4-70% in 65-75% H_2SO_4 and drops in more dil. H_2SO_4 . Similar oxidation of 2-methylbenzimidazole gave 51-3% 2-methylimidazole-4,5-dicarboxylic acid, decomp. 273°. I (6 g.) in aq. NaOH (1%) treated with Me_2SO , then refluxed briefly after addn. of NH_4OH , immediately filtered and concd. gave 25-7% 1-methylimidazole-4,5-dicarboxylic acid, decomp. 262°. The acid could not be obtained by oxidation of 1-methylbenzimidazole since the stability of the imidazole ring is connected with its tautomerie ability. G. M. Kosolapoff

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DAVIDENKOV, L. R.

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 941

Author: Davidenkov, L. R., and Poray-Koshits, B. A.

Institution: None

Title: Investigation of the Derivatives of Benzothiazole. II. Reactions of 2-Benzothiazolesulfonic Acid with Nitrogen-Containing Bases

Original

Periodical: Zh. obshch. khimii, 1956, Vol 26, No 3, 868-872

Abstract: As a result of the ease of substitution of the sulfone group of the electron-donor residue of 2-benzothiazolesulfonic acid (I), the latter easily reacts with various nitrogen-containing bases. This property can be utilized in the preparation of 2-substitute derivatives. Differences were observed in the behavior of the mobile sulfone group and halogens in aromatic compounds: 2-chlorobenzothiazole reacts with aniline (II) and with methyl aniline, while I reacts only with II. Preparation of 2-aminobenzothiazole: 6 gms of the K-salt of I (III) are heated with 35 ml of 25% NH_3 in a sealed

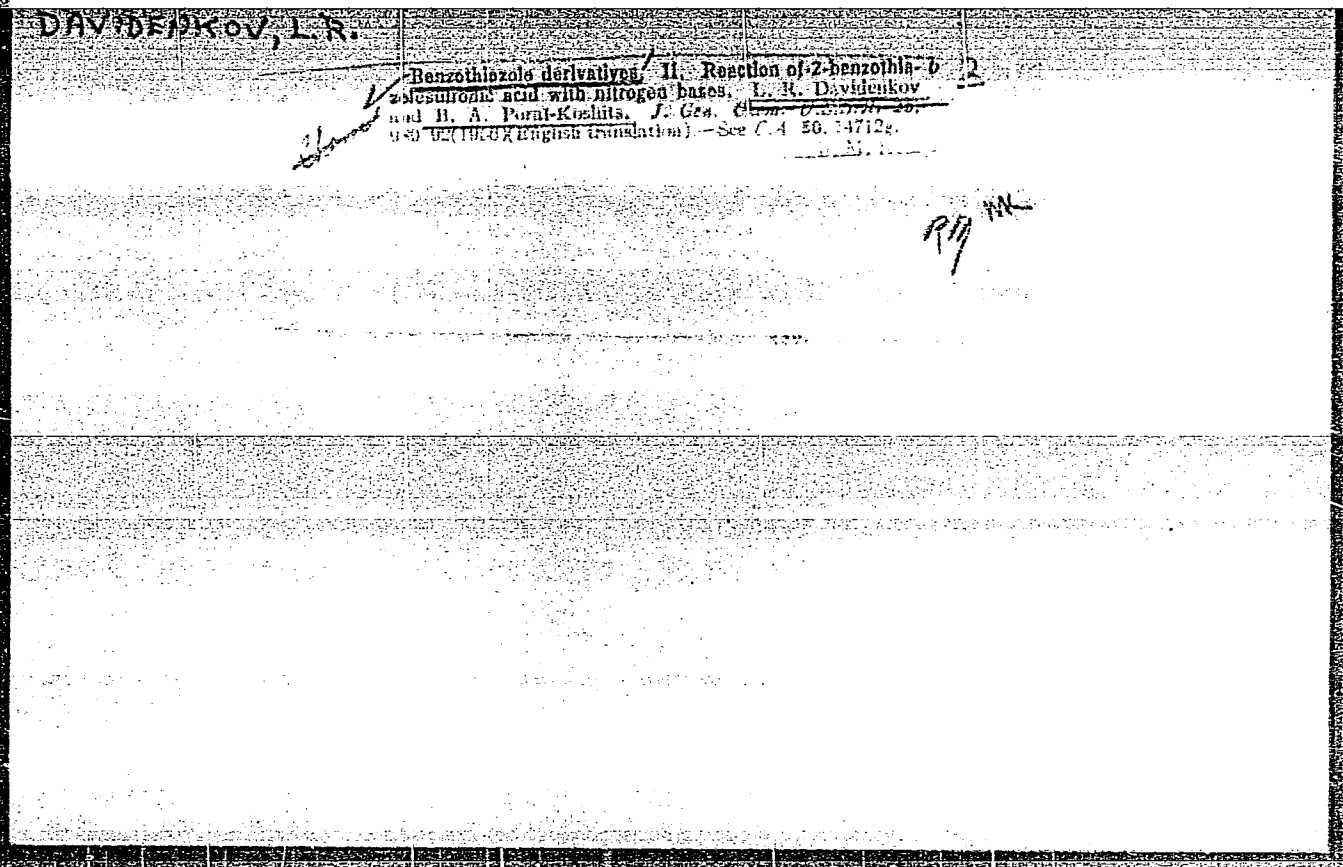
Card 1/3

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 941

Abstract: 75-80%, mp 217° (from alcohol). Preparation of the amide of benzo-thiazolecarboxylic acid (VII): to a suspension of 2 gms VI in 300 ml boiling water, add a hot solution of one gram KMNO_4 in 20 ml water and 6 ml 1 N H_2SO_4 ; filter quickly; VII is precipitated; yield, 70-75%, mp 173° (from glacial CH_3COOH). Preparation of 2-phenylhydrazinebenzo-thiazole (VIII): 10 gms III, 8.5 ml $\text{C}_6\text{H}_5\text{NHNH}_2$, and 30 ml water are heated 2-3 hours at $\sim 100^{\circ}$; VIII is separated as IV; yield, 70-75% (the yield is higher at 130°), mp 227° (from alcohol). Preparation of 2-azobenzenethiazole: to 2 gms of VIII add 5 gms HgO and 40 ml alcohol; reflux 10-15 minutes, filter, and dilute with a small amount of hot water; yield, 75-80%, mp 142° (from 2:1 CH_3COOH). Preparation of 2,2'-hydrazobenzenethiazole (IX): grind 4 gms of V with 6 gms III and heat 3 hours at $140-150^{\circ}$ with 25 ml water; IX is washed with cold water and dilute HCl (1:4); yield, 30-35%; the product is purified by crystallization from II and washing with C_6H_6 ; on heating, 2,2-azobenzenethiazole (X) is formed. When 0.4 gms IX are refluxed for 5-10 minutes with 1.6 gms HgO and 12 ml $\text{C}_6\text{H}_5\text{Cl}$, X is obtained, mp 294° (from $\text{C}_6\text{H}_5\text{Cl}$); an alcohol solution of X gives a green color with concentrated KOH . For Communication I, see Zh. obshch. khimii, 1951, Vol 21, 2046.

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5(3)

SOV/79-29-6-24/72

AUTHORS: Kudryashova, N. I., Davidenkov, L. R., Khromov-Borisov, N. V.

TITLE: Synthesis of 2-(3',4',5'-Trimethoxy-benzyl)-benzimidazole
(Sintez 2-(3',4',5' -trimetoksibenzil)-benzimidazola)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 6,
pp 1885 - 1888 (USSR)

ABSTRACT: Subject of the present paper is the synthesis of the above-mentioned compound (III) which is a trimethoxy-derivative of the well-known drug Dibazol (2-benzyl-benzimidazole). This synthesis was easily carried out by the authors by condensation of o-phenylene diamine (I) with 3,4,5-trimethoxy-phenyl-acetic acid (II) (Scheme 1). Most difficult was the synthesis of the acid (II) since so far no convenient synthesis method was suggested. It was carried out according to scheme 2. The initial product was the gallic acid (IV) which was methylated to (V). (V) was transformed into the methyl ester (VI). From the hydrazide of this ester (VII) resulted (VIII) on oxidation with potassium ferricyanide. On condensation of this aldehyde with hippuric acid the corresponding azolactone (IX) was obtained which was subjected to hydrolysis, oxidation with H_2O_2 , and esterification. All these

Card 1/2 processes took place without separation of the intermediates. The

Synthesis of 2-(3',4',5'-Trimethoxy-benzyl)-benzimidazole SOV/79-29-6-24/72

mixture obtained in this way from the methyl esters of the trimethoxy-phenyl-acetic acid and benzoic acid was easily separated by vacuum distillation. By saponification of methyl-trimethoxy-phenyl-acetate the acid (II) was obtained. Its synthesis was carried out smoothly in spite of the many steps and does not require any difficultly accessible reagents. The condensation of (II) with o-phenylene diamine (I) also proceeds smoothly at 180° in equimolar quantities. The preliminary pharmacological investigation of the end product (III), carried out by O. D. Kozlov, showed that this preparation, like Dibazol, has a certain hypotensive and spasmolytic effect. There are 7 references, 3 of which are Soviet.

ASSOCIATION: Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR (Institute of Experimental Medicine of the Academy of Medical Sciences, USSR)

SUBMITTED: May 20, 1958

Card 2/2

DAVIDENKOV, L.R.

Synthesis of adenine. Med. prom. 16 no.1:25-28 Ja '62. (MIRA 15:3)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(ADENINE)

DAVIDENKOV, N. N.

DECEASED
1962

1963/
4

Metals, Deformation
Mechanics

DAVIDENKOV, S.; VAYS, A.; KALASHNIKOV, I.; KOROLEV, V.; NIKOLENKO, V.

Second servicing of ZIS automobile trucks on an assembly
line. Avt.transp. 32 no.9:16-20 S '54. (MLRA 7:11)
(Motor trucks--Maintenance)

DAVIDENKOV, S.

DAVIDENKOV, S.; VAYS, A.

Dump trailer. Avt.transp. 32 no.11:10-11 N '54. (MLRA 8:3)
(Dump trucks--Trailers)

DAVIDENKOV, S.; VAYS, A.

Experience in using side-wall and dump truck trains. Avt.
transp. 33 no:5:16-18 My '55. (MIRA 8:8)
(Motor trucks--Trailers) (Dump trucks)

DAVIDENKOV, S.

"Vascular and infectious diseases of the nervous system and diencephalic forms of pathology." Reviewed by S.Davidenkov. Zhur.nevr.
i psikh. 61 no.3:467-468 '61. (MIRA 14:7)
(NERVOUS SYSTEM—DISEASES)

DAVIDENKOV, S. N.

Neurology

DECEASED

c.1963

1963/

18

DAVIDENKOV, V. A.		PROCESSING AND PROPERTIES INDEX	
CA	<p>Effect of copper on properties of iron. V. A. Davidenkov, <i>Bull. acad. sci. U.R.S.S., Classic sci. tech.</i>, 1943, No. 11/12, 81-6. --To an alloy made of cast Fe 70 and steel 30% and containing C 2.2-2.7, Si 1.4-1.6, Mn 0.9-1.0, S 0.02-0.03, and P 0.20-0.25%, 0.3-1.5% of Cu was added. The ratio of graphite C to total C increased with [Cu] from 0.01 to 0.85. Cu lessened the tendency to surface decarbonization, slightly increased the Brinell hardness, and raised the tensile strength to 27 kg./sq. mm.</p>		
Inst. of Metallurgy, AS USSR			
<p>ASAC 514 METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>SEARCHED BY</p>		<p>EXAMINED BY</p>	
<p>INDEXED BY</p>		<p>FILED BY</p>	

DAVIDENKOV, V. A.															PROCESSES AND PROPERTIES INDEX															9														
COMMON ELEMENTS															COMMON ELEMENTS															COMMON ELEMENTS														
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<p>Heterogeneity and crystallization of a steel ingot. V. A. Davidenkov. (Inst. Metallurgy Acad. Sci. U.S.S.R.). <i>Izvest. Akad. Nauk S.S.S.R., Otdel. Tekh. Nauk</i> 1947, 1083-1703. Macrostructure, microstructure, mech. properties, chem. analysis, and the quantity, no., and size of nonmetallic inclusions were detd. at various cross sections of steel ingots. The steels examd. were (1) 1.2-ton sq. ingot of basic-elec.-furnace steel contg. C 0.37, Si 0.23, Mn 0.60, S 0.010, P 0.016, Cr 0.97, V 0.23, and Ni 0.13%; (2) 4.5-ton octagonal ingot of basic-open-hearth forging steel contg. C 0.33, Si 0.37, Mn 0.63, S 0.022, P 0.024, Cr 1.60, and Ni 1.06%; (3) a series of 15-kg. round ingots from induction-furnace heats contg. approx. Cr 1 and Ni 2%, with varying C content; and (4) 2.8-ton ingots of rimming basic open-hearth steel contg., resp., C 0.10, 0.23, Mn 0.38, 0.53, P 0.020, 0.033, and S 0.025, 0.027%. In steel (1) the size and total quantity of nonmetallic inclusions increased from surface to center of ingot, while the no. of inclusions remained relatively const. The tensile strength and reduction of area decreased from surface to center of ingot. The plotted curves for these changes were not uniform but showed maxima and minima which always coincided with a change from one crystal size and orientation to another. Steels (2) and (3) showed the same characteristics as (1), and even to the rimming-steel ingots, despite movement of the liquid steel during solidification, a similar pattern was noted. H. W. Rathmann</p>																																												
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DAVIDENKOV, V.A.

ANOSOV, Pavel Petrovich, 1797-1851; VOLODINA, N.I., redaktor; BARDIN, I.P., akademik, redaktor; GUDTSOV, N.T., akademik, redaktor; SAMARIN, A.M., redaktor; STARK, B.V., redaktor; PROKOSHIN, D.A., doktor tekhnicheskikh nauk, redaktor; VISENYAKOV, D.Ya., doktor tekhnicheskikh nauk, redaktor; DAVIDENKOV, V.A., doktor tekhnicheskikh nauk, redaktor; RASTOGAYEV, M.V., ~~tekhnicheskikh nauk~~, redaktor; SOROKIN, Yu.N., kandidat tekhnicheskikh nauk, redaktor; MURZIN, I.I., inzhener, redaktor; ASTAF'YEVA, G.A., tekhnicheskiy redaktor

[Collected works] Sbranie sochinenii. Moskva, Izd-vo Akademii nauk SSSR, 1954. 204 p. (MLRA 7:10)

1. Chlen-korrespondent AN SSSR (for Samarin, Stark)
(Metallurgy)

DAVIDENKOVA, V. S.

DAVIDENKOVA, V. S. Sibir'. Moskva, Gosizdat, 1927. 112 p. (Ekonomicheskaiia
geografiia SSSR.)
NN

So: LC, Soviet Geography, Part II, 1951/Unclassified.

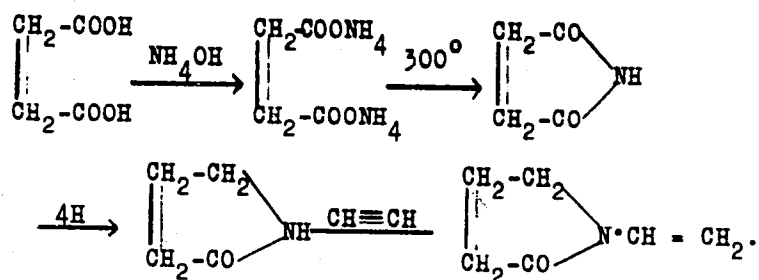
S/062/61/000/005/007/009
B118/B220

AUTHORS: Ushakov, S. N., Davidenkova, V. V., and Lushchik, V. V.

TITLE: Synthesis of vinyl pyrrolidone

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 5, 1961, 901 - 905

TEXT: Starting from succinic acid, the authors synthesized in 1952 vinyl pyrrolidone according to the equation



Card 1/4

Synthesis of vinyl...

S/062/61/000/005/007/009
B118/B220

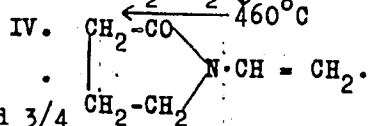
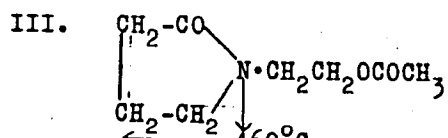
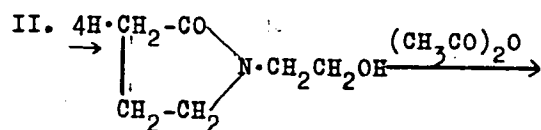
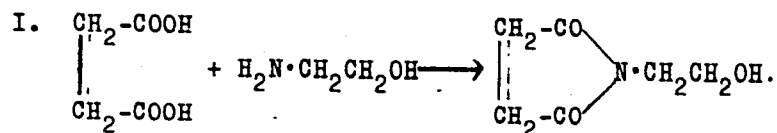
The succinimide was obtained from the ammonium salt of the succinic acid at 300°C and, after purification, reduced electrolytically to pyrrolidone on lead electrodes (80 to 90mA/cm) in 50 % sulfuric acid. Vinylizing of pyrrolidone was effected in dioxane solution in the presence of potassium pyrrolidone in the autoclave under a pressure of 15 to 25 atm and at 125 to 132°C. This method is easier than that proposed by W. Reppe (Ref. 1, Polyvinylpyrrolidon, 1954, Berlin). The vinyl pyrrolidone produced was used for the synthesis of polymers which in the Leningradskiy institut perelivaniya krovi (Leningrad Institute for Blood Transfusion) have proved to be good blood substitutes. Independently of this paper and almost at the same time, data were published concerning the synthesis of pyrrolidone from succinic acid and ammonia via succinimide (C. 1953, 9185; Rev. Plastic, 2, 110, 132). But also for this modified synthesis, the last part of the vinylizing, effected under pressure and using acetylene, is rather difficult. In a series of cases it was, therefore, of advantage to realize the synthesis without acetylene and without increasing the pressure (e. g. according to the equation by B. Puetzer et al., J. Amer. Chem. Soc. 74, 4956 (1952)). Unlike the USA Patent 2669570, the authors of the present paper succeeded in synthesizing vinyl pyrrolidone from succinic acid by

Card 2/4

Synthesis of vinyl...

S/062/61/000/005/007/009
B118/B220

using neither pressure nor acetylene:



Card 3/4

Synthesis of vinyl...

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B118/B220

Based on succinic acid and using easily obtainable reagents (monoethanol amine and acetic anhydride), they contained, thus, vinyl pyrrolidone by pyrolysis in 4 stages, without acetylene and increased pressure (yield: 52 % of the theoretical-one). There are 9 references: 5 Soviet-bloc and 4 non-Soviet-bloc.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR
(Institute of High Molecular Compounds of the Academy of Sciences USSR)

SUBMITTED: April 9, 1960

Card 4/4

TUMANOV, A.T., zasluzhennyy deyatel' nauki i tekhniki RSFSR;
DAVIDENKOV, V.V., akademik; SERENSEN, S.V., akademik;
KURDYUMOV, G.V., akademik; BOCHVAR, A.A., akademik;
KISHKIN, S.T.; ZAYMOVSKIY, A.S.; SHCHAPCOV, N.P., prof.;
KUDRYAVTSEV, I.V., prof.; VITMAN, F.F., prof.; KISHKINA,
S.I., prof.

Iakov Borisovich Fridman; on the fiftieth anniversary of his
birth. Zav.lab. 27 no.7:919-920 '61. (MIRA 14:7)

1. Akademiya nauk USSR (for Davidenkov, Serensen). 2. Chleny-
korrespondenty Akademii nauk SSSR (for Kishkin, Zaymovskiy).
(Fridman, Iakov Borisovich, 1911-)

TRUNIN, M.A.; DAVIDENKOVA, V.V.

Prolonged peridural anesthesia with the use of polyvinyl
pyrrolidone. Eksp. khir. i anest. 9 no.5:82-84 S-0 '64.

(MIRA 18:11)

1. Klinika obshchey khirurgii No.1 (zav. - prof. A.V.
Smirnov) Leningradskogo sanitarno-gigiyenicheskogo medi-
tsinskogo instituta i Leningradskiy institut vysoko-
molekulyarnykh soyedineniy AN SSSR.

I. 7020-66 EWT(m)/EPF(c)/EWP(j)/T RPL WW/RM
ACC NR: AP5026779 SOURCE CODE: UR/0286/65/000/017/0067/0067

AUTHOR: Ushakov, S. N.; Davidenkova, V. V.; Arditi, A. I. 44.55 46

TITLE: A method for producing vinylpyrrolidone copolymers. Class 39, No. 174355
[announced by Institute of High Molecular Compounds, AN SSSR (Institut vysokomole-
kulyarnykh soyedineniy AN SSSR)] 44.55

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 67

TOPIC TAGS: copolymerization, radical polymerization, polymerization initiator

ABSTRACT: This Author's Certificate introduces a method for producing vinylpyrrolidone copolymers with an unsaturated compound by copolymerizing the corresponding monomers in the block or in solution at 40-70°C in the presence of radical polymerization initiators. A wider variety of water-soluble polymers is provided by using a derivative of *n*-aminobenzoic acid as the unsaturated compound.

UDC: 678.744.3

SUB CODE: GC,MT/

SUBM DATE: 19Feb64/

ORIG REF: 000/

OTH REF: 000

OC
Card 1/1

DAVIDENKO, V.V.; IPATOV, A.Ya.; KISELEV, A.K.

Silurian and Devonian stratigraphy of the Char structural-facies zone.
Izv. AN Kazakh. SSR. Ser. geol. nauk no.5:23-31 '63. (MIRA 17:1)

1. Institut geologicheskikh nauk AN KazSSR, Alma-Ata i Yuzhno-Kazakh-
stanskoye geologicheskoye upravleniye Ministerstva geologii i okhrany
nedr KazSSR, Alma-Ata.

SHPIRT, Ya.Yu.; DAVIDENKOVA, I.M.; SEVRYUGINA, A.I.

Vitamins A and E in atherosclerosis. Trudy Inst. klin. i
eksper. kard. AN Gruz. SSR 107-110 (MIRA 17:7)

1. TSentral'naya bol'nitsa Ministerstva zdravookhraneniya
RSFSR, Moskva.

KUL'KOVA-DAVIDENKOVA, E.F.; VILENSKIY, B.S.

Results of proserine therapy of diseases of the nervous system.
Nevropat.psikhiat., Moskva 20 no.1:64-67 Jan-Feb 51. (GIML 20:6)

1. Of the Clinic for Nervous Diseases (Director--S.N.Davidenkov,
Active Member of the Academy of Medical Sciences), Leningrad State
Institute for the Advanced Training of Physicians.

KUL'KOVA, Ye. F.

USSR/Medicine - Virus Diseases

Mar 51

"Changes in the Nervous System Produced by Virus Influenza A and B," Prof S. N. Davidenkov, I. I. Shtil'bans, Ye. F. Kul'kova, O. A. Pokrovskaya, E. A. Sanamyan, 1st Med Inst and Clinic of Nervous Diseases of Inst of Advanced Tng of Physicians

"Nevropatol i Psikhiat" Vol XX, No 3, pp 11-18

det

Extensive clinical investigations were conducted to/differences between virus A and virus B influenza as manifested by effects of these diseases on the nervous system. These different manifestations are enumerated and illustrated by a number of case histories. Mentions that the concn of the influenza virus in the brain does not increase, but decreases, an important distinction from epidemic encephalitis.

191T101

DAVIDENKOV, S.N.; FIGURINA, M.M.; SHTILBANS, I.I.; KUL'KOVA, Ye.P.; POEROVSKAYA, O.A.

Clinical peculiarities of atypical forms of tick encephalitis. Klin. med., Moskva 30 no.2:19-27 Feb 1952. (CJML 22:1)

1. Of the Clinic for Nervous Diseases (Director -- Prof. S. N. Davidenkov, Active Member AMS USSR), State Institute for the Advanced Training of Physicians imeni S. M. Kirov and of the Infectious Hospital imeni S. P. Botkin, Leningrad.

DAVIDENKOVA, Ye.F.; IRDT, O.V.

Clinical aspects of "two-wave" virus meningo-encephalitis. Nov.med.
no.38:51-55 '53. (MLRA 7:5)

1. Iz kliniki nervnykh bolezney Gosudarstvennogo Ordена Lenina instituta
dlya usovershenstvovaniya vrachev im. S.M.Kirova i iz Otdela virusologii
Instituta eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.
(Brain--Inflammation)

KUL'KOVA, Ye.F.

GOLENDERG, A.D.; KUL'KOVA, Ye.F.; POKROVSKAYA, O.A.

Vegetative functions in progressive muscular atrophy. Zhur. nevr. i
psikh. 55 no.1:17-21 Ja '55. (MIRA 8:2)

1. Klinika nervnykh bolezney dir. prof. S.N.Davidenkov) i kafedra
fizioterapii (zav. prof. N.N.Mishuk) Instituta usovershenstvovaniya
vrachey imeni S.M.Kirova.

(PROGRESSIVE MUSCULAR ATROPHY, physiology,
autonomic NS)

(AUTONOMIC NERVOUS SYSTEM, in various diseases,
progressive musc. atrophy)

~~DAVIDENKOVA-KUL'KOVA, Ye.F.~~
DAVIDENKOVA-KUL'KOVA, Ye.F.

Vegetative syndromes following exposure to excessive heat. Zhur.
nevr. i psikh. 55 no.10:750-754 '55 (MLRA 8:11)

1. Iz kliniki nervnykh bolezney Instituta usovershenstvovaniya
vrachey, Leningrad.

(AUTONOMIC NERVOUS SYSTEM, diseases,
caused by heat)

(HEAT, effects,
autonomic NS dis.)

DAVIDENKOVA-KUL'KOVA, Ye.F.; IRDT, O.V.

Epidemiology and clinical aspects of a biundulant viral meningo-encephalitis. Zhur.nevr. i psikh. 56 no.5:382-384 '56. (MIRA 9:8)

1. Klinika nervnykh bolez. (zav. prof. S.N.Davidenkov) Gosud. inst. usover. vrachey imeni S.M.Kirova i otdel virusologii (zav. prof. A.A.Smorodintsev) Institut eksperimental'noy meditsiny, Leningrad
(ENCEPHALITIS
viral meningo-encephalitis, bi-undulant)

TUSHINSKIY, M.D., STAVSKAYA, V.V., YAROSHEVSKIY, A.Ye., DAVIDENKOVA, Ye.F.,
SKARLATO, Ye.S., KAN, Ye.L., SKRAYABINA, Ye.A. (Leningrad)

Clinical aspects of the pandemic of influenza in 1957. Klin.med.
36 no.5:43-48 My '58 (MIRA 11:7)
(INFLUENZA, epidemiology
in Russia, pandemic (Rus))

DAVIDENKOVA - KULKOVA Ye. F.
EXCERPTA MEDICA Sec 8 Vol 12/9 Neurology Sept 59

4317. THE BOUNDARIES OF THE CONCEPT 'DIENTEPHALIC EPILEPSY'

(Russian text) - Kul'kova-Davidenkova E. F. Ped. Med. Inst., Lenin-
grad - Zh. NEVROPAT. I PSIKHIAT. 1958, 58/4 (418-421)

Following the observation of a large number of patients suffering from diencephalic attacks, it was possible to separate three essential signs of these attacks: (1) a clearly defined beginning and end; (2) a specific rhythm; and (3) a definite sequence (for each patient) as to the way in which the separate vegetative components entered into the attack. In experiments on dogs it could be shown that with weak stimulation of the subcollicular region, characteristic, purely vegetative attacks were evoked, while stronger stimulation produced convulsions as well. Therefore, it is impossible to exclude from the concept of 'diencephalic epilepsy' those cases in which only vegetative attacks are seen, without disturbance of consciousness or motor activity. The attacks of diencephalic epilepsy must be demarcated from similar, though not identical, syndromes: narcolepsy, cataplexy, myoplegia, paroxysmal tachycardia and paroxysmal hyperthermia. In addition, they must be differentiated from the cortical vegetative aura in idiopathic epilepsy and from the so-called 'vegetative crises' observed in vegetative dysfunctions of a different type.

Golland - Moscow (VIII, 19*)

DAVIDENKOVA, YE. F.

"Clinical characteristics of double-wave, viral meningo-
encephalitis in various geographic zones and from var-
ious geographic zones and from various sources of infection."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

DAVIDENKOVA-KUL'KOVA, Yevgeniya Fedorovna; ABRAMOV, L.V., red.; KHARASH,
G.A., tekhn.red.

[Diencephalic epilepsy; seizures in diseases of the hypothalamic
region in clinical practice and under experimental conditions]
Dientsefal'naya epilepsiia; pripadki pri porazhenii podbugrovoi
oblasti v klinike i eksperimente. Leningrad, Gos.izd-vo med.
lit-ry. Leningr.otd-nie, 1959. 291 p. (MIRA 13:5)
(EPILEPSY)

DAVIDENKOVA, S.F.

U. S. Org. and. Serv. : 1959, 20, 1011-1074
and. 1974, 1974 Org.

RESULTS OF A STUDY OF THE REACTOGENIC AND IMMUNOGENIC PROPERTIES OF LIVE ANTI-POLYOMYELITIS VACCINE

A. A. SMORODINTSEV
E. F. DAVIDENKOVA, A. I. DROBYSHEVSKAYA
V. I. ILYENKO, N. E. GOREV
L. M. KURNOSOVA, T. E. KLYUCHAREVA

*Department of Physics,
Institute of Experimental Medicine,
USSR Academy of Medical Sciences, Leningrad, USSR*

2000

The authors have studied the hardiness and transference of live populations of *Trichogramma* and *Microplitis* from the laboratory to the field. The authors have also studied the effects of various stressors of live populations for genetics, physiology, and behavior. The authors have also studied the effects of various stressors of live populations for genetics, physiology, and behavior. The authors have also studied the effects of various stressors of live populations for genetics, physiology, and behavior.

Lengthy and numerous passages of vaccine strains through the unimmunized canal of normal, susceptible children showed that strains may periodically appear which have a higher neurotropic activity than others. This activity, however, did not increase in subsequent passages.

Bulletin of the World Health Organization, Vol. 20, No. 6, 1959

EXCERPTA MEDICA Sec 7 Vol 13/10 Pediatrics Oct 59

2770. DATA ON COXSACKIE VIRUS DISEASES (Russian text) - Davidenkova
E. F., Ilyenko V. I. and Savelyeva - Vassilyeva E. A. - ZH. NEVRO-
PAT. I PSIKHIAT. 1959, 59/3 (280-287) Graphs 2 Tables 3 Illus. 3

An explosive epidemic due to Coxsackie A virus occurred in 12 children in a closed
institution. Only 5 of the patients showed definite clinical manifestations. A picture
of aseptic meningitis was noted in several cases. Virus was isolated from 5 cases
and a positive neutralization reaction was obtained in all 12 cases. (L, 7, 8)

EXCERPTA MEDICA Sec 8 Vol 12/9 Neurology Sept 59

4501. NEUROLOGICAL ASPECTS OF ASIAN 'FLU' (Russian text) - Davidenkova E. F., Savelyeva-Vassilyeva E. A. and Kadyrova T. K. - ZH. NEVROPAT. I PSIKHIAT. 1959, 59/4 (471-480) Illus. 6

A study was made of patients observed in Leningrad in 1957. These patients were subdivided into 2 groups: those with apparently lasting, distinct nervous complications, and those without sequelae. In the latter group the only conditions seen were the meningeal syndrome, the hemispheric syndrome and the syndrome of parenchymal lesion in the region of the brain stem. Syndromes in which the peripheral nervous system were involved were rarer, as were cases of psychical disturbance. Vascular dysfunction and oedema adjacent to nerve tissue play a major part in the pathogenesis of the nervous manifestations.

(L, 8)

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DAVIDENKOVA, Ye.F.; SAVEL'YEVA-VASIL'YEVA, Ye.A.

Two-year clinical observation on children immunized against poliomyelitis with live attenuated vaccine. Zhur.nerv.i psikh. 59 no.7: 790-795 '59. (MIRA 12:11)

1. Klinika nervnykh bolezney Leningradskogo pediatricheskogo meditsinskogo instituta.

(POLIOMYELITIS, prev. & control,
vasc., follow-up of child, immunized with live
attenuated vaccine (Rus))

DAVIDENKOVA-KUL'KOVA, Ye.F., prof.; MIKHEYEV, V.V., prof.; MARKOV, D.A., prof., akademik; PANOV, A.G., prof.; SAKHAROV, Yu.N., dotsent; FUTER, D.S., prof.; KHONDKARIAN, O.A., prof.; SHAMBUROV, D.A., prof.; DAVIDENKOV, S.N., prof., otv. red.; BOGOLEPOV, N.K., prof., zam. otv. red.; OSTROVERKHOV, G.Ye., glav. red.; GRASHCHENKOV, N.I., prof., red.; KORNYSANSKIY, G.P., prof., red.; RAZDOL'SKIY, I.Ya., prof., red.; FILIMONOV, I.N., prof., red.; BARAKHINA, I.L., tekhn. red.

[Multivolume manual on neurology]Mnogotomnoe rukovodstvo po nevrologii. Moskva, Medgiz. Vol.3. Book 1[Infectious and topic diseases of the nervous system]Infektsionnye i toksicheskie bolezni nervnoi sistemy. 1962. 524 p. (MIRA 15:11)

1. Akademiya nauk Belorusskoy SSR (for Markov). 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR(for Davidenkov, Grashchenkov, Filimonov). 3. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Razdol'skiy).

(NERVOUS SYSTEM--DISEASES)

DAVIDENKOVA, Ye. F.; KLER, N. N.; SVEL'YEVA-VASIL'YEVA, Ye. A.;
NIKOLAYEV, V. P.

Clinical characteristics of serous meningitis caused by intestinal
viruses. *Pediatrics* no.6:3-8 '62. (MIRA 15:6)

1. Iz kafedry nervnykh bolezney (zav. - prof. Ye. F. Davidenkova)
i virusologicheskoy laboratorii (zav. V. P. Nikolayev) Lenin-
gradskogo pediatricheskogo meditsinskogo instituta (dir. Ye. P.
Semenova).

(MENINGITIS) (VIRUS DISEASES)

DAVIDENKOVA, Ye.F.; PAVLOVICH, Ye.S.

Subacute sclerosing leukoencephalitis of the Van Bogaert
type. Zhur. nevr. i psikh. 62 no.3:347-355 '62. (MIRA 15:3)

1. Kafedra nervnykh bolezney (zav. - prof. Ye.F. Davidenkova)
Leningradskogo pediatricheskogo meditsinskogo instituta.
(ENCEPHALITIS)

DAVIDENKOVA, Ye.F.; KOLOSOVA, N.N.; NEKHAMKINA, A.G.

Treatment of diseases of the nervous system with methyl-
diazil. Vrach. delo no.8:55-59 Ag'63. (MIRA 16:9)

1. Klinika nervnykh bolezney vzroslykh (zav. - prof. Ye.F.
Davidenkova) Leningradskogo pediatricheskogo meditsinskogo
instituta.

(NERVOUS SYSTEM—DISEASES)

DAVIDENKOVA, Ye.F.; KOLOSOVA, N.N.

Cytogenetic changes in bone marrow cells in some forms of
leukemia. Vestn. Akad. med. nauk SSSR 18 no.7:66-71 '63
(MIRA 17:2)

1. Leningradskiy institut onkologii AMN SSSR i Nauchno-issledovatel'skiy institut perelivaniya krovi.

DAVIDENKOVA, Ye.F., prof.; BELAVINA, Z.P.; KOLOSOVA, N.N.; NEKHAMKINA, A.G.

Results of the use of furazol in some diseases of the peripheral nervous system. Trudy LPMI 31 no.2:34-39 '63.

(MIRA 17:10)

1. Iz kafedry nevropatologii Leningradskogo pediatricheskogo meditsinskogo instituta.

DAVIDENKOVA, Ye.F.; SHTIL'BANS, I.I.; GODINOVA, A.M.; SAVEL'YEVA-VASIL'YEVA,
Ye.A.; VERLINSKAYA, D.K.

Role of maternal pathology in Down's disease. Zhur. nevr. i psikh.
63 no.7:1052-1057 '63. (MIRA 17:7)

1. Laboratoriya meditsinskoy genetiki (zav. - prof. Ye.F. Davi-
denkova) Instituta onkologii AMN SSSR, Leningrad.

DAVIDENKOVA, Ye.F.

Clinical and pathophysiological aspects of intentional convulsions
of Rulf. Zhur. nevr. i psikh. 63 no.9:1308-1312 '63.

(MIRA 17:8)
1. Kafedra nervnykh bolezney Leningradskogo pediatricheskogo
meditsinskogo instituta.

DAVIDENKOVA, Ye.F.

Nosological position of diphasic meningoencephalitis among
other tick-borne encephalites. Zhur. nevr. i psikh. 63 no.10:1453-
1461 '63. (MIRA 17:5)

1. Leningradskiy pediatricheskiy meditsinskiy institut.

DAVIDENKOVA, Ye.F.; KARMANOVA, I.G.

Pathophysiology of Ruel's intentional spasms. Och. klin. nevr.
no.2:70-77 '64 (MIRA 18:1)

DAVIDENKOVA, Ye.F.; PAVLOVICH, Ye.S. [deceased]

Materials on the clinical aspects and histopathology of subacute
sclerosing leukoencephalitis of the van Bogaert type. Och. klin.
nevr. no.2:173-191 '64 (MIRA 18:1)

DAVIDENKOVA, Ye.F.; SHALAGINA, T.L.

Association of poliomyelitis in childhood with a progressive
form of tick-borne encephalitis at a later age. Och. klin. nevr.
no.2:219-231 '64 (MIRA 18:1)

L 8575-65 ENG(j)/EWI(m)/AR/K AND
 ACCESSION NR: AP4040830 S/0241/64/009/006/0003/0008
 AUTHOR: Davidenkova, Ye. F. (Head of genetics laboratory, Professor),
 Shtil'ban, I. I.
 TITLE: The role of hereditary and chromosomal diseases in
 analyzing genetic sequelae of radiation /9
 SOURCE: Meditsinskaya radiologiya, v. 9, no. 6, 1964, 3-8
 TOPIC TAGS: natural radiation level, radiation genetic effect,
 radiation induced mutation, chromosome aberration, chromosomal
 disease, Down's disease, direct method investigation
 ABSTRACT: The present study is based on the literature and discusses
 direct methods of investigating the role natural radiation plays in
 spontaneous mutations. Most direct method investigations have
 proven statistically unreliable, including investigations of
 radiation doses which double the mutation frequency in human
 embryonic tissue culture cells, studies of children whose parents are
 survivors of the Hiroshima or Nagasaki atomic explosions, and studies
 of roentgenologists' children. Investigation of human chromosomal
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ACCESSION NR: AP4040830

diseases which are based on structural change of the sex or somatic chromosomes appears to be the most promising method at this time. Chromosomal diseases are relatively common (1:500) and are generally easy to detect in children and newborn infants. Mutation frequencies have been found for 20 of the 500 known chromosomal diseases. Down's disease, characterized by 47 chromosomes instead of the usual 46, was investigated in 345 cases in Leningrad. In more than half (52.7%) of the cases, the children were found to be born of mothers over 34 yrs of age. Mother's age, type of chromosomal aberration, and level of natural radiation appear to be important factors in radiation genetic investigations of chromosomal diseases. Comparative studies of these diseases in naturally high radiation areas and naturally low radiation areas should provide useful data on the degree of ionizing radiation danger present in a given area and should promote the development of necessary protective measures. Orig. art. has: 2 tables.

ASSOCIATION: Laboratoriya meditsinskoy genetiki Instituta onkologii
AMN SSSR (Medical Genetics Laboratory, Oncology Institute, AMN
SSSR)

Card 2/3

I 3575-65

ACCESSION NR: AP4040830

SUBMITTED: 17Dec62

ENCL: 00

SUB CODE: LS

NR REF SOV: 005

OTHER: 001

Card 3/3

DAVIDENKOVA, Ye.F. (Leningrad, ul. Kuybysheva, d.1/15, kv.115); KOLOSOVA, N.N.

Chromosomal anomalies in acute and chronic leukemia. Vop. onk. 10
no.6:3-7 '64. (MIRA 18:3)

1. Iz laboratorii meditsinskoy genetiki (zav. - prof. Ye.F. Davidenkova) Instituta onkologii AMN SSSR i gematologicheskoy kliniki (zav. - prof. I.S.Sherman) Leningradskogo nauchno-issledovatel'skogo instituta Ministerstva zdravookhraneniya RSFSR.

DAVIDENKOVA, Ye.F.; KOLOSOVA, N.N.; PANTOVA, I.G.

Clinical results of the study on human karyotypes. Sov. med. 27
no.6:74-76 Je '64. (MIRA 18:1)

1. Laboratoriya meditsinskoy genetiki (zav. - prof. Ye.F. Davi-
denkova) Leningradskogo instituta onkologii AMN SSSR.

DAVIDENKOVA, Ye.F.; PUTINO, I.V.

Characteristics of petit mal seizures in childhood. /bur. nevr.
i psikh. 64 no.7:959-964 '64. (MIRA 17:12)

1. Kafedra nervnykh bolezney (zaveduyushchiy - prof. Ye.F.
Davidenkova) i klinicheskaya bol'nitsa Leningradskogo
pediatricheskogo meditsinskogo instituta.

DAVIDENKOVA, Ye.F.

Role of chromosomal aberrations in human pathology (chromosome diseases). Vest. AMN SSSR 20 no.3:3-11 '65. (MIRA 18:7)

1. Laboratoriya meditsinskoy genetiki AMN SSSR, Leningrad.

DAVIDESCU, A.

Development of the generating units with free pistons and gas turbines,
and their utilization in railroad locomotives. Pt. 1. p.155.

REVISTA CAILOR FERATE. (Calle Ferate Romine)
Bucuresti, Rumania
Vol. 7, no. 3, Mar.1959.

Monthly list of Eastern European Accession Index (EEAI) LC vol. 8, No. 11
November 1959
Uncl.

DAVIDESCU, A.

Developments of the generating units with free pistons and gas turbines,
and their utilization in railroad locomotives. Pt.2. p.321.

REVISTA CAILOR FERATE. (Calle Ferate Romine)
Bucuresti, Rumania
Vol. 7, no. 6, June 1959.

Monthly list of Eastern European Accession Index (EEAI) IC vol. 8, No. 11
November 1959
Uncl.

CORBU, M.; POPA, V.; BRAND, L.; DUMITRESCU, L.; DAVIDESCU, C.; COSTEA, A.;
GIDEA, G.; BURIAN, E.

Considerations on bronchial fistula following resections for
pulmonary tuberculosis. Rumanian M. Rev. 3 no.4:22-25 O-D '59.

1. Moroeni Sanatorium, Director Dr. G. Iordan.
(TUBERCULOSIS, PULMONARY, surgery)
(BRONCHIAL FISTULA, etiology)

DAVID ESCU, DAVID

Soil maps of Romania. David Davidescu (Univ. Bucharest). *Agrochimica* 1, No. 1, 72-80 (1956) (in French). Schematic maps of N, P, K (HCl-sol.) content, pH of arable soil, org. matter and degree of satn. are shown and discussed. J. Colucci

RUMANIA / Cultivated Plants. Cereal Crops.

M-3

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58519

Author : Davidescu, D.; Davidescu, E.

Inst : Not given

Title : Use of Fertilizers to Improve the Growth of Winter Wheat

Orig Pub : Probl. agric., 1956, 8, No 9, 18-26

Abstract : This is a summary of the results of the study conducted on the fields of the IKAR experimental station, and of the data supplied by the practice of independent farms and of the cooperatives of RPR, as well. The critical period of introduction of fertilizers during the growth of winter wheat are: the appearance of the third leaf, tillering, stooling and the formation of ears. Data of the effectiveness of fertilizers on various soils, doses and methods of introduction are given. Recommendations

Card 1/2

23

RUMANIA / Cultivated Plants. Cereal Crops.
APPROVED FOR RELEASE: Thursday, July 27, 2000

M-3
CIA-RDP86-00513R00050981

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58519

on the introduction of mineral (nitric) and organic fertilizers are given.

Card 2/2

RUMANIA / Soil Science. Mineral Fertilizers.

J-4

Abs Jour: Ref Zhur-Biol., No 8, 1958, 34369.

Author : Davidescu, D., Avram, P., Groza, M., Pavlovschi, Gh., Popovici, I., Popescu, I., Tanasescu, E., Vines, I., Man, S.

Inst : Institute of Agricultural Research.

Title : Study of the Problem of Indispensable Amounts of Fertilizers for Plants.

Orig Pub: An. Inst. cercetari agron, 1956, 23, No 4, 9-44.

Abstract: With regard to winter wheat and corn, the following is recommended: placement of 20 t/ha of manure and 30 kg of P_2O_5 under deep plowing; with regard to sugar beets, apart from the above, also 10 kg/ha of P_2O_5 into the rows with seeds, 30 kg/ha of K_2O in the form of potassium salt

Card 1/2

27

RUMANIA/Soil Science. Mineral Fertilizers.

J-3

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24740.

Author : Davidescu, D. (Review: Bordeianu, Th.)

Inst :

Title : Agricultural Chemistry.

Orig Pub: Agro-silvica stat, 1956, 40, 40 lei (Gradina, via si
livada, 1957, 6, No 5, 84-85).

Abstract: No abstract.

Card : 1/1

COUNTRY USSR M
 CATEGORIES CULTIVATED PLANTS. Grains. Leguminous Grains.
 Tropical Cereals
 ABS. JOUR. REPZHUR BIOLOGIYA, NO. 4, 1959; No. 15615
 AUTHOR : Davidesku, D.
 INST. : Not given
 TITLE : Practice of Fertilizer Application under
 Corn in the Rumanian People's Republic
 ORIG. PUB. : Kukuruza, 1957, No.9, 58-61
 ABSTRACT : The effectiveness of phosphorus fertilizers
 placed under corn varied, depending on soil
 properties; they gave best results in chestnut
 soils and degraded chernozems. In soils of
 the steppe and forest-steppe zones, the phos-
 phorus fertilizers proved less effective than
 nitrogen. The potassium fertilizers boost
 the corn crop yield only in certain cases,
 and in brown-reddish soils lower it.
 When nitrogen fertilizers were together

CARD: 1/2

Country : ROMANIA

M

Category: Cultivated Plants. Grains.

Obs Jour: RZhBiol., No 11, 1958, No 48880

Author : Davidescu, D.; Birsan, N.; Avram, P.; Enescu, D.;
Popescy, I.; Vines, I.; Davidescu, E.

Inst : Sci. Res. Inst. of Agriculture.

Title : Results of the Experiments on the Introduction of
Fertilizers Under Corn, and Spring and Winter Wheat.

Orig Pub: An Inst. cercetari agron., 1957, 24, No 5, 47-69

Abstract: Experiments on the application of fertilizers were
conducted during 1953-1955 at the following stations:
at the Experimental Station of Merhuleshti in Kon-
stantsa region, on applying basic fertilizers under
corn; at the experimental stations of Kypic Turziy

Card : 1/2

DAVIDESCU, D., AND OTHERS.

Effectiveness of thermophosphate as fertilizer. p. 413.

Academia Republicii Populare Romine. COMUNICARILE. Bucuresti, Rumania.
Vol. 8, no. 4, Apr. 1958

Monthly list of East European Accessions (EEAI) Vol. 8, no. 2, July 1959

Uncl.

DAVIDESCU, D.

Achievements of Soviet agrochemistry. p. 257.

REVISTA DE CHIMIE. Bucuresti, Rumania. Vol. 10, no. 5, May 1959.

Monthly list of East European Accessions. (EEAI), LC. Vol. 8, no. 9, ^{Sept.} 1959.
Uncl.

DAVIDESCU, D.; TEACI, D.

Results obtained in 1957 and 1958 from the application of mineral fertilizers.
p. 264.

REVISTA DE CHIMIE. Bucuresti, Rumania. Vol. 10, no. 5, May 1959.

Monthly List of East European Accessions. (EEAI), LC. Vol. 8, no. 9, ^{Sept.} 1959.
Uncl.

DAVIDESCU, D.; VALISIU, M.

Efficiency of fertilizers of irrigated crops in the Rumanian Plain. Zemljiste biljka 11 no.1/3:577 -581 '62.

1. Faculte d'agriculture, Bucarest.

HERA, Cr.; DAVIDESCU, D.; VINES, I.

Influence of the ammoniacal waters and anhydrous ammonia on the yield of oats, Comunicarile AR 11 no.5:553-558 My '61.

1. Comunicare prezentata de Amilcar Vasiliu, membru corespondent al Academiei R.P.R.

REICHBUCH, L.; DAVIDESCU, D.; VASILIU, A.; POPESCU, I.

Effectiveness of potato fertilizers under the conditions at the
Agricultural Experiment Station of Suceava. Studii biol agr Iasi
13 no.1:211-224 '62.

DAVIDESCU, D.; DALAS, Melania

Period of application of mineral fertilizer on sunflowers /
under the agroclimatic conditions of Tirgu Frumos, Iasi region.
Studii biol agr Iasi 13 no.2:359-370 '62.

DAVIDESCU, D.; DALAS, Melania; GARA, A.

Contributions to the study of alfalfa culture. Studii biol
agr Iasi 14 no.2:355-362 '63.

DAVIDESCU, D., prof.

Training cadres as machine operators for agriculture.
Mec electrif agric 9 no. 4:13-17 '64.

1. Corresponding Member of the Rumanian Academy Member of
the Executive Committee, Higher Council of Agriculture.

DAVIDESCU, David, prof. univ.

The agricultural science in Rumania is in full development. St si
Teh Buc 16 no.6:3-5 Je '64.

1. Corresponding Member of the Rumanian Academy.

DAVIDESCU, D., prof. univ.

Chemical fertilizers increase the harvest. St si Teh Buc 16 no.4:
6-7 Ap '64.

1. Membru corespondent al Academiei R.P.R.

RUMANIA / Cultivated Plants. Cereal Crops.

M-3

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58519

Author : Davidescu, D.; Davidescu, E.

Inst : Not given

Title : Use of Fertilizers to Improve the Growth of Winter Wheat

Orig Pub : Probl. agric., 1956, 8, No 9, 18-26

Abstract : This is a summary of the results of the study conducted on the fields of the IKAR experimental station, and of the data supplied by the practice of independent farms and of the cooperatives of RPR, as well. The critical period of introduction of fertilizers during the growth of winter wheat are: the appearance of the third leaf, tillering, stooling and the formation of ears. Data of the effectiveness of fertilizers on various soils, doses and methods of introduction are given. Recommendations

Card 1/2

23

~~RUMANIA / Cultivated Plants. Cereal Crops.~~
• APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00050981

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58519

on the introduction of mineral (nitric) and organic fertilizers are given.

Card 2/2

DAVIDESCU, I.; ANGELESCU, E.

Capillary method for the determination of cresols. In Russian. p. 101.

REVUE DE CHIMIE. JOURNAL OF CHEMISTRY. (Academia Republicii Populare Romine)
Bucuresti, Rumania. Vol. 3, no. 1, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

SORU, Eudzheniia [Soru, Eugenia]; DAVIDESKU, Ivett [Davidescu, Yvette];
TENESESKU, D. [Tanasescu, D.]

Studies on staphylokinase. II. Physicochemical studies on staphylokinase.
Rev chimie 5 no.2:167-174 '60. (EEAI 10:4)

1. Laboratoriya po enzimologii Instituta "D-r I.Kantakuzino," Bukharest
2. Akademiya RNR, chlen-korrespondent Akademii RNR; Comite de redaction
Revue de chimie, membre correspondant de l'Academie de la Republique
Populaire Roumaine (for Soru)
(Staphylokinase)

DAVIDESCU, I.

"Automatic control of piece dimensions" by L.M. Maizel.
Metalurgia si constr mas 15 no.3:279-280 Mr '63.

VOICULESCU, M., prof.; DUMITRESCU, Maria; IONESCU, R.; LEONESCU, M.; DAVIDESCU, C.; PAUN, L.; VLAD, R.

Staphylococcal septicemia. Microbiologia (Bucur) 6 no.1:24 Ja-F '61.

RUSU, D., (Iasi); IONESCU-MUSCEL, I.; DAVIDESCU, N. (Iasi); GHERSIN, B.

Improving wool quality, an important actual task. Probleme econ 15
no.2:76-82 F '62.

1. Membru al Colegiului de redactie, "Probleme economice" (for
Rusu)

GABOREANU, G., ing.; GEORGHEU, C., ing.; DAVIDESCU, P.

Study on the influence of the geometry of the armored elements
on dry material crushing in ball mills. Rev constr si mat constr
16 no.3:126-135 Nr'64

POPESCU, C., ing.; CACTULIA, N., ing.; PAICU, M., ing.; DAVIDESCU, P.

Reducing cement temperature by water jet spraying in the
finishing chamber of a tube mill. Rev constr si mat constr
16 no.4:181-185 Ap'64

DAVIDESCU, V.

Second session of scientific lectures and reports at the Institute
of Forest Research and Experimentation. April 4-6, 1955. p. 363.
REVISTA PADURILOR. Bucuresti. Vol. 70, No. 7, July 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 3, March 1956.

Davidescu, V.

RUMANIA / Analytical Chemistry--Analysis of organic substances. E-3

Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49320

Author : Angelescu, E.; Davidescu, V.

Inst : Not given

Title : An Analytical Method for the Quantitative Determination of Cresols Based on Capillary Activity

Orig Pub : Studii si Cercetari Chim, 6, No 2, 213-231 (1958)

Abstract : The authors have developed an accurate and rapid procedure for the quantitative determination of isomeric cresols (C) in aqueous solutions by titration with NaOH; the endpoint is determined by the cessation of changes in the surface tension of the solutions during titration. The capillary endpoint does not coincide with the stoichiometric endpoint because of the hydrolysis of the cresolate at the surface of the system and experimentally determined correction factors (CF) are therefore

Card 1/2

Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49320

introduced. The orientation of the molecules at the surface of the solution is affected by the dipole moment and by the stereochemical factor of the C isomer. The capillary activity and the CF increase in the order o-, m-, p-isomer. The change in the CF values as a function of initial C concentration is explained by the change in the inclination of the axis of the C molecule to the surface of the solution, which differs in different C isomers. -- B. Kolokolov

Card 2/2

RUMANIA/Physical Chemistry - Colloid Chemistry. Dispersed Systems. B

Abs Jour : Ref Zhur Khimiya, No 19, 1959, 67459

that the presence of I increase soap sud stability markedly, the stabilizing effect of I increases in the order: o-I M-I p-I. Owing to its structure, p-I forms stabler bonds with the soap molecules; these bonds determine the high stability of soap films. The low stability of systems with a very high I content, as well as the low stability of Na oleate described earlier (RzKhim, 1959, No 1, 614) is explained by the authors to be due to the low colloidness of these systems. It is suggested that both in foams, and at the surface of the solutions investigated, molecules are oriented, and that the surface layer in which intermolecular forces are active is thicker than the monolayer. -- M. Lipets.

Card 2/2

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Colloid chemistry of the systems soap-cresol-water. IX:
Surface tension of cresol-treated soap solutions in presence
of free fatty acids. B. Angelescu and V. Davidescu. (Chem.
Inst. Romanian Acad., Iuliacal). Colloid 2, 104, 110-14
(1959); cf. C.A. 52, 18846a. A surplus of free palmitic
acid reduces the surface tension of Na palmitate soaps, of
various concns, to the same value. The characteristic min.
of cresol-treated Na palmitate soaps disappears in the
presence of free palmitic acid. The surface tension of such
systems of high cresol content approaches that without
free fatty acid. The surface tension of dil. soap soaps, in
the presence of free fatty acid is higher than that of concd.
soap. γ like cresol content. The surface tension of
Na palmitate-palmitic acid soaps, rises with rising temp.
In the presence of much cresol, it falls with rising temp. At
low temp. the surface tension of Na stearate soaps, rises in
the presence of free stearic acid. A surplus of free acid
strengthens the characteristic min. in the surface tension of
cresol-treated Na stearate soaps. These are more definite
(in the presence of free acid) at low temps. They are in-
creased with isomer cresols in the order ortho < meta <
para. These results are explained by assuming that pal-
mitic acid is a dispersant; but stearic acid strengthens the
colloidal nature. Addn. of cresol to acid soaps, has the
same effect as in pure soap soaps: dispersion of colloidal-
type systems and solvation of complex particles.

B. Hirschhorn

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(Staphylokinase)

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The physicochemical properties of organosols of aluminum, calcium, and magnesium stearates. I. The specific volume. Yvette Davidescu (Acad. R.P.R., Bucharest, Romania). *Rev. Roum. Chim.*, 1960, 5, 278-290 (1960).—The sp. vol. of the solns. of Al, Ca, and Mg stearates in glycerol is higher than that of the pure solvent, reaching a max. at concns. of 0.005M Al or Ca stearates and of 0.0125M Mg stearate. The appearance of the max. can be attributed to the competition between the disson. of the solvent and the solvation of the solute. The increase in sp. vol. is lowest for Mg stearate, the cause of which may be its tendency for assocn. by complexing. The increase in sp. vol. varies proportionally with the temp. II. The surface tension. *Ibid.*, 291-300 (1960).—The surface tension of the solns. of Al, Ca, and Mg stearates in glycerol is lower than that of the pure solvent. Up to 0.1M concn., the interfacial adsorption proceeds quickly. At higher concns, the surface tension of solns. of Al and Ca stearates decreases at a slower rate, whereas that of Mg stearate increases slightly, due probably to an enhanced solvation of its mol. The surface activity increases in the order $Mg < Ca < Al$. The decrease in surface tension varies proportionally with the temp. M. Jecelion.

DAVIDESCU, Yvette

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1. Centrul de cercetari chimice al Academiei R.P.R., Sectorul coloizi, Bucuresti.

(Organic compounds) (Colloids) (Aluminum stearate)
(Calcium stearate) (Magnesium stearate)

DAVIDESCU, Yvette

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DAVIDESCU, Yvette

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